Docket No. Merck

## Declaration and Pow r of Attorney For Patent Application English Language Declaration

A b - l		and Ab at			
As a below named inventor, I hereby declare that:					
My residence, post of	ffice address and citiz	zenship are as stated below	next to my name,		
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled					
Liquid-crystal switching element and liquid-crystal display device					
the specification of w	hich				
(check one)					
is attached hereto. was filed on 19 July 2000 as United States Application No. or PCT International Application Number PCT/EP00/06879 and was amended on (if applicable)					
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.					
I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.					
I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.					
Prior Foreign Application(s) <u>Priority Not Claimed</u>					
199 33 571.0 (Number)	<u>DE</u> (Country)	22 July 1999 (Day/Month/Year Filed)			
(Number)	(Country)	(Day/Month/Year Filed)			
(Number)	(Country)	(Day/Month/Year Filed)			

I hereby claim the benefit unde application(s) listed below:	er 35 U.S.C. Section	119(e) of any United States provisional
(Application Serial No.)		(Filing Date)
(Application Serial No.)		(Filing Date)
(Application Serial No.)		(Filing Date)
Section 365(c) of any PCT Inte and, insofar as the subject ma prior United States of PCT Inte of 35 U.S.C. Section 112. I acl Trademark Office all information	ernational application atter of each of the classification all application knowledge the duty to the known to me to be came available betw	120 of any United States application(s), or a designating the United States, listed below aims of this application is not disclosed in the in the manner provided by the first paragraph to disclose to the United States Patent and e material to patentability as defined in Title 37, een the filing date of the prior application and application:
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## POWER OF ATTORNEY: As a named inventor, I hereby appoint

I. William Millen (Reg. No. 19,544)
John L. White (Reg. No. 17,746)
Anthony J. Zelano (Reg. No. 27,969)
Alan E.J. Branigan (Reg. No. 20,565)
John R. Moses (Reg. No. 24,983)
Harry B. Shubin (Reg. No. 32,004)
Brion P. Heaney (Reg. No. 32,542)
Richard J. Traverso (Reg. No. 30,595)

John A. Sopp (Reg. No. 33,103)
Richard M. Lebovitz (Reg. No. 37,067)
John H. Thomas (Reg. No. 33,460)
Catherine M. Joyce (Reg. No. 40,668)
James T. Moore (Reg. No. 35,619)
James E. Ruland (Reg. No. 37,432)
Nancy Axelrod (Reg. No. 44,014)
Jennifer J. Branigan (Reg. No. 40,921)

to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence to: MILLEN; WHITE; ZELANO & BRANIGAN, P.C.

Arlington Courthouse Plaza I
2200 Clarendon Blvd., Suite 1400

Arlington, VA 22201

Direct Telephone Calls to: (name and telephone number)

 $R_{Q_{\mathcal{O}}}$ 

Full name of sole or first inventor	
Michael HECKMEIER	
Sole or first inventor's	Date
Wichell Hechney	20 November 2001
Residence	
64625 Bensheim	
Citizenship	
German	
Post Office Address	
c/o MERCK KGaA; 64271 Darmstadt, Germany	
Dey	

Sag

Full name of second inventor, if any	
Brigitte SCHULER	
Second inventor's signature	Date
Brite Sol	20 November 2001
Residence	
63808 Haibach	
Citizenship	•
German	
Post Office Address	
c/o MERCK KaA, 64271 Darmstadt, Germany	

Full name of third inventor, if any Achim GOTZ  Third inventor's signature  20 November 2001  Residence 84855 Alsbach-Hähnlein Citizenship German Post Office Address  C/o MERCK KGaA, 64271 Darmstadt, Germany  Date  Full name of fourth inventor, if any Herbert PLACH Fourth regentor's signature  Date  Residence 64291 Darmstadt Citizenship German Post Office Address  C/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Full name of fifth inventor, if any  Full name of fifth inventor, if any  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship  Post Office Address  Citizenship  Post Office Address  Citizenship  Post Office Address  Citizenship  Post Office Address		
Achim GÖTZ Third inventor's signature  Residence  A4655 Alsbach-Hähnlein Citizenship  German Post Office Address  C/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fourth inventor, if any Herbert PLACH Fourth inventor's signature  Date  20 November 2001  Residence 64291 Darmstadt Citizenship  German  Post Office Address  C/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Full name of fifth inventor, if any  Full name of sixth inventor, if any  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship  Post Office Address  Citizenship  Citizenship  Citizenship  Citizenship  Date  Residence  Citizenship	Full name of third inventor, if any	
Third inventor's signature  Residence  20 November 2001  Residence  64655 Alsbach-Hähnlein  Citizenship  German  Post Office Address  c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fourth inventor, if any  Herbert PLACH  Fourth inventor's signature  Residence  64291 Darmstadt  Citizenship  German  Post Office Address  c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Full name of fifth inventor, if any  Full name of fifth inventor, if any  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship  Citizenship  Citizenship  Date  Residence  Citizenship	1	
Residence 64655 Alsbach-Hähnlein Citizenship German Post Office Address C/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fourth inventor, if any Herbert PLACH Fourth inventor's signature Citizenship German Post Office Address C/o MERCK KGaA, 64271 Darmstadt, Germany  Date 20 November 2001  Residence 64291 Darmstadt Citizenship German Post Office Address C/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature  Date  Residence  Citizenship  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship  Citizenship		Date
Residence 64655 Alsbach-Hähnlein Citizenship German Post Office Address C/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fourth inventor, if any Herbert PLACH Fourth inventor's signature Citizenship German Post Office Address C/o MERCK KGaA, 64271 Darmstadt, Germany  Date 20 November 2001  Residence 64291 Darmstadt Citizenship German Post Office Address C/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature  Date  Residence  Citizenship  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship  Citizenship	Adin 1/2	20 November 2001
Citizenship German Post Office Address c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fourth inventor, if any Herbert PLACH Fourth injentior's signature Date 20 November 2001 Residence 64291 Darmstadt Citizenship German Post Office Address c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature Date  Residence Citizenship Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature Date  Residence Citizenship  Citizenship  Citizenship  Date  Residence Citizenship	Residence	
German Post Office Address c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fourth inventor, if any Herbert PLACH Fourth inventor's signature Residence 64291 Darmstadt Citizenship German Post Office Address c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature Residence  Citizenship Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature Date  Residence  Citizenship  Full name of sixth inventor, if any  Sixth inventor's signature Date  Residence  Citizenship		
Post Office Address  c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fourth inventor, if any Herbert PLACH  Fourth inyentor's signature  Date  20 November 2001  Residence  64291 Darmstadt  Citizenship  German  Post Office Address  c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature  Date  Residence  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship	1	-
C/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fourth inventor, if any Herbert PLACH Fourth inpentor's signature  64291 Darmstadt Citizenship German Post Office Address C/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Full name of fifth inventor, if any  Post Office Address  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship  Date  Residence  Citizenship		
Full name of fourth inventor, if any Herbert PLACH Fourth inventor's signature Residence 64291 Darmstadt Citizenship German Post Office Address c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature  Post Office Address  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship  Citizenship  Citizenship  Citizenship  Date  Citizenship		
Full name of fourth inventor, if any Herbert PLACH  Fourth inventor's signature  20 November 2001  Residence  64291 Darmstadt  Citizenship  German  Post Office Address  C/o MERCK KGaA, 64271 Darmstadt, Germany  Fifth inventor's signature  Residence  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship  Citizenship		any
Herbert PLACH Fourth inventor's signature Residence 64291 Darmstadt Citizenship German Post Office Address C/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature  Post Office Address  Citizenship  Post Office Address  Date  Residence  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship	DEY	
Herbert PLACH Fourth inventor's signature Residence 64291 Darmstadt Citizenship German Post Office Address C/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature  Post Office Address  Citizenship  Post Office Address  Date  Residence  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship	Full name of fourth inventor, if any	
Fourth inventor's signature  20 November 2001  Residence  64291 Darmstadt  Citizenship  German  Post Office Address  c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature  Date  Residence  Citizenship  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship  Citizenship  Citizenship  Citizenship		
Residence 64291 Darmstadt Citizenship German Post Office Address c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature  Citizenship  Post Office Address  Full name of sixth inventor, if any  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship	Fourth inventor's signature	Date
Residence 64291 Darmstadt Citizenship German Post Office Address c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship  Citizenship	World Tlad	
Citizenship German Post Office Address c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature  Date  Residence  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship		
Citizenship German Post Office Address c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature  Date  Residence  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship		
Post Office Address c/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature  Residence  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship		
C/o MERCK KGaA, 64271 Darmstadt, Germany  Full name of fifth inventor, if any  Fifth inventor's signature  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship		
Full name of fifth inventor, if any  Fifth inventor's signature Date  Residence  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature Date  Residence  Citizenship		
Fifth inventor's signature  Residence  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship	c/o MERCK KGaA, 64271 Darmstadt, Germa	any
Fifth inventor's signature  Residence  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship	DEV	
Fifth inventor's signature  Residence  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship	· - /	
Fifth inventor's signature  Residence  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship	The state to the state of the s	
Residence  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship	Full name of τίπη inventor, if any	
Residence  Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship	Fifth inventor's signature	Date
Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Residence  Citizenship	That inventor a signature	Date
Citizenship  Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Residence  Citizenship	Residence	
Post Office Address  Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship		
Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship	Citizenship	
Full name of sixth inventor, if any  Sixth inventor's signature  Date  Residence  Citizenship		
Sixth inventor's signature  Residence  Citizenship	Post Office Address	
Sixth inventor's signature  Residence  Citizenship		
Sixth inventor's signature  Residence  Citizenship		
Sixth inventor's signature  Residence  Citizenship		
Sixth inventor's signature  Residence  Citizenship		
Residence Citizenship	Full name of sixth inventor, if any	
Residence Citizenship		
Citizenship	Sixth inventor's signature	Date
Citizenship	<u> </u>	
	Residence	
	Ontinophia	
Post Office Address	Citizenship	
Fost Office Address	Poet Office Address	
	Fost Office Address	